CRF Err⬤ Corrected by th STIC Systems⬤anch

Serial Numb r: 09/845,612B #10

CR Processing Dat : 4/25/02
Edited by:
Verified by: DC (STIC staff)

☐ Changed a file from non-ASCII to ASCII

☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.

☐ Edited a format error in the Current Application Data section, specifically: **ENTERED**

_____

☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____.

☐ Added the mandatory heading and subheadings for "Current Application Data".

☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:

_____

☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:

_____

☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

_____

☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

☐ Inserted colons after headings/subheadings. Headings edited included:

_____

☐ Deleted extra, invalid, headings used by an applicant, specifically:

_____

☑ Deleted: ☑ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as_____ .

☐ Inserted mandatory headings, specifically: _____

☐ Corrected an obvious error in the response, specifically: _____

_____

☐ Edited identifiers where upper case is used but lower case is required, or vice versa.

☐ Corrected an error in the Number of Sequences field, specifically: _____

_____

☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____

☐ Other:

_____
_____
_____
_____

*Examiner: Th abov corrections must be communicated to the applicant in th first Office Action. DO NOT send a copy of this form.

3/1/95

OIPE

RAW SEQUENCE LISTING   DATE: 04/25/2002
PATENT APPLICATION: US/09/845,612B   TIME: 13:05:59

Input Set : A:\PTO.DC.txt
Output Set: N:\CRF3\04252002\I845612B.raw

```
    3 <110> APPLICANT: YU, HONGTAO
    4         TANG, ZHANYUN
    5         LUO, XUELIAN
    6         RIZO-REY, JOSE
    8 <120> TITLE OF INVENTION: A CLASS OF 12MER PEPTIDES THAT INHIBIT THE FUNCTINO OF THE
MITOTIC CHECK
    9         POINT PROTEIN MAD2
   11 <130> FILE REFERENCE: UTSD:795
   13 <140> CURRENT APPLICATION NUMBER: 09/845,612B
   14 <141> CURRENT FILING DATE: 2001-04-27
   16 <160> NUMBER OF SEQ ID NOS: 20
   18 <170> SOFTWARE: PatentIn version 3.0
   20 <210> SEQ ID NO: 1
   21 <211> LENGTH: 8
   22 <212> TYPE: PRT
C--> 23 <213> ORGANISM: Artificial
   25 <220> FEATURE:
   26 <223> OTHER INFORMATION: Synthetic Peptide
   28 <220> FEATURE:
   29 <221> NAME/KEY: misc_feature
   30 <222> LOCATION: (6)..(6)
   31 <223> OTHER INFORMATION: X is any
   34 <220> FEATURE:
   35 <221> NAME/KEY: misc_feature
   36 <222> LOCATION: (1)..(8)
   37 <223> OTHER INFORMATION: Synthetic Peptide
   40 <400> SEQUENCE: 1
W--> 42 Gln Trp Tyr Lys Leu Xaa Pro Pro
   43 1               5
   45 <210> SEQ ID NO: 2
   46 <211> LENGTH: 12
   47 <212> TYPE: PRT
   48 <213> ORGANISM: Artificial Sequence
   50 <220> FEATURE:
   51 <221> NAME/KEY: misc_feature
   52 <222> LOCATION: (1)..(12)
   53 <223> OTHER INFORMATION: synthetic peptide
   56 <400> SEQUENCE: 2
   58 Ser Trp Tyr Ser Tyr Pro Pro Pro Gln Arg Ala Val
   59 1               5                   10
   61 <210> SEQ ID NO: 3
   62 <211> LENGTH: 12
   63 <212> TYPE: PRT
   64 <213> ORGANISM: Artificial Sequence
```

RAW SEQUENCE LISTING   DATE: 04/25/2002
PATENT APPLICATION: US/09/845,612B   TIME: 13:05:59

Input Set : A:\PTO.DC.txt
Output Set: N:\CRF3\04252002\I845612B.raw

```
 66 <220> FEATURE:
 67 <221> NAME/KEY: misc_feature
 68 <222> LOCATION: (1)..(12)
 69 <223> OTHER INFORMATION: synthetic peptide
 72 <400> SEQUENCE: 3
 74 Asp Ala Arg Ile Ile Lys Leu Pro Val Pro Lys Pro
 75 1               5                   10
 77 <210> SEQ ID NO: 4
 78 <211> LENGTH: 12
 79 <212> TYPE: PRT
 80 <213> ORGANISM: Artificial Sequence
 82 <220> FEATURE:
 83 <221> NAME/KEY: misc_feature
 84 <222> LOCATION: (1)..(12)
 85 <223> OTHER INFORMATION: synthetic peptide
 88 <400> SEQUENCE: 4
 90 Gln Trp Leu His Phe Ala Pro Pro Pro Pro Pro Lys
 91 1               5                   10
 93 <210> SEQ ID NO: 5
 94 <211> LENGTH: 12
 95 <212> TYPE: PRT
 96 <213> ORGANISM: Artificial Sequence
 98 <220> FEATURE:
 99 <221> NAME/KEY: misc_feature
100 <222> LOCATION: (1)..(12)
101 <223> OTHER INFORMATION: synthetic peptide
104 <400> SEQUENCE: 5
106 Gln Trp Ile Thr Leu Ser Pro Pro Arg Ser Leu Thr
107 1               5                   10
109 <210> SEQ ID NO: 6
110 <211> LENGTH: 12
111 <212> TYPE: PRT
112 <213> ORGANISM: Artificial Sequence
114 <220> FEATURE:
115 <221> NAME/KEY: misc_feature
116 <222> LOCATION: (1)..(12)
117 <223> OTHER INFORMATION: synthetic peptide
120 <400> SEQUENCE: 6
122 Ser Ala Asn Trp Thr Ile Trp Lys Pro Pro Thr Pro
123 1               5                   10
125 <210> SEQ ID NO: 7
126 <211> LENGTH: 12
127 <212> TYPE: PRT
128 <213> ORGANISM: Artificial Sequence
130 <220> FEATURE:
131 <221> NAME/KEY: misc_feature
132 <222> LOCATION: (1)..(12)
133 <223> OTHER INFORMATION: synthetic peptide
136 <400> SEQUENCE: 7
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RAW SEQUENCE LISTING   DATE: 04/25/2002
PATENT APPLICATION: US/09/845,612B   TIME: 13:05:59

Input Set : A:\PTO.DC.txt
Output Set: N:\CRF3\04252002\I845612B.raw

```
138 Asn Trp Tyr Ser Tyr Lys Met Pro Lys His Glu Ala
139 1               5                   10
141 <210> SEQ ID NO: 8
142 <211> LENGTH: 12
143 <212> TYPE: PRT
144 <213> ORGANISM: Artificial Sequence
146 <220> FEATURE:
147 <221> NAME/KEY: misc_feature
148 <222> LOCATION: (1)..(12)
149 <223> OTHER INFORMATION: synthetic peptide
152 <400> SEQUENCE: 8
154 Gln Trp Leu Lys Phe Ser Pro Pro Met His Ala Ser
155 1               5                   10
157 <210> SEQ ID NO: 9
158 <211> LENGTH: 12
159 <212> TYPE: PRT
160 <213> ORGANISM: Artificial Sequence
162 <220> FEATURE:
163 <221> NAME/KEY: misc_feature
164 <222> LOCATION: (1)..(12)
165 <223> OTHER INFORMATION: synthetic peptide
168 <400> SEQUENCE: 9
170 Gly Trp Val Arg Leu Gln Pro Pro Pro Leu Ile Gln
171 1               5                   10
173 <210> SEQ ID NO: 10
174 <211> LENGTH: 12
175 <212> TYPE: PRT
176 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
179 <221> NAME/KEY: misc_feature
180 <222> LOCATION: (1)..(12)
181 <223> OTHER INFORMATION: synthetic peptide
184 <400> SEQUENCE: 10
186 Ala Trp Tyr Lys Leu Pro Lys Glu Ser Pro Leu Leu
187 1               5                   10
189 <210> SEQ ID NO: 11
190 <211> LENGTH: 12
191 <212> TYPE: PRT
192 <213> ORGANISM: Artificial Sequence
194 <220> FEATURE:
195 <221> NAME/KEY: misc_feature
196 <222> LOCATION: (1)..(12)
197 <223> OTHER INFORMATION: synthetic peptide
200 <400> SEQUENCE: 11
202 Ser Trp Tyr His Thr Pro Ser Pro Leu Pro His Lys
203 1               5                   10
205 <210> SEQ ID NO: 12
206 <211> LENGTH: 12
207 <212> TYPE: PRT
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RAW SEQUENCE LISTING   DATE: 04/25/2002
PATENT APPLICATION: US/09/845,612B   TIME: 13:05:59

Input Set : A:\PTO.DC.txt
Output Set: N:\CRF3\04252002\I845612B.raw

```
208 <213> ORGANISM: Artificial Sequence
210 <220> FEATURE:
211 <221> NAME/KEY: misc_feature
212 <222> LOCATION: (1)..(12)
213 <223> OTHER INFORMATION: synthetic peptide
216 <400> SEQUENCE: 12
218 Thr Trp Tyr Lys Leu Ser Asn Ser Pro Ile Tyr Gly
219 1               5                   10
221 <210> SEQ ID NO: 13
222 <211> LENGTH: 14
223 <212> TYPE: PRT
224 <213> ORGANISM: Homo sapiens
226 <400> SEQUENCE: 13
228 Asp Val Glu Glu Ala Lys Ile Leu Arg Leu Ser Gly Lys Pro
229 1               5                   10
231 <210> SEQ ID NO: 14
232 <211> LENGTH: 15
233 <212> TYPE: PRT
234 <213> ORGANISM: Drosophila
236 <400> SEQUENCE: 14
238 Asp Ser Lys Gly Gly Arg Ile Leu Cys Tyr Gln Asn Lys Ala Pro
239 1               5                   10                  15
241 <210> SEQ ID NO: 15
242 <211> LENGTH: 14
243 <212> TYPE: PRT
244 <213> ORGANISM: S. Cerevisiae
246 <400> SEQUENCE: 15
248 Asp Met Asn Lys Arg Ile Leu Gln Tyr Met Pro Glu Pro Pro
249 1               5                   10
251 <210> SEQ ID NO: 16
252 <211> LENGTH: 14
253 <212> TYPE: PRT
254 <213> ORGANISM: S. Pombe
256 <400> SEQUENCE: 16
258 Asp Leu Asn Thr Arg Val Leu Ala Phe Lys Leu Asp Ala Pro
259 1               5                   10
261 <210> SEQ ID NO: 17
262 <211> LENGTH: 12
263 <212> TYPE: PRT
264 <213> ORGANISM: Artificial Sequence
266 <220> FEATURE:
267 <221> NAME/KEY: misc_feature
268 <222> LOCATION: (1)..(1)
269 <223> OTHER INFORMATION: X is any
272 <220> FEATURE:
273 <221> NAME/KEY: misc_feature
274 <222> LOCATION: (1)..(12)
275 <223> OTHER INFORMATION: Synthetic Peptide
278 <220> FEATURE:
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RAW SEQUENCE LISTING   DATE: 04/25/2002
PATENT APPLICATION: US/09/845,612B   TIME: 13:05:59

Input Set : A:\PTO.DC.txt
Output Set: N:\CRF3\04252002\I845612B.raw

```
      279 <221> NAME/KEY: misc_feature
      280 <222> LOCATION: (6)..(7)
      281 <223> OTHER INFORMATION: X is any
      284 <220> FEATURE:
      285 <221> NAME/KEY: misc_feature
      286 <222> LOCATION: (9)..(12)
      287 <223> OTHER INFORMATION: X is any
      290 <400> SEQUENCE: 17
W--> 292 Xaa Trp Tyr Lys Leu Xaa Xaa Pro Xaa Xaa Xaa Xaa
      293 1               5                   10
      295 <210> SEQ ID NO: 18
      296 <211> LENGTH: 7
      297 <212> TYPE: PRT
      298 <213> ORGANISM: Artificial Sequence
      300 <220> FEATURE:
      301 <221> NAME/KEY: misc_feature
      302 <222> LOCATION: (4)..(5)
      303 <223> OTHER INFORMATION: X is any
      306 <220> FEATURE:
      307 <221> NAME/KEY: misc_feature
      308 <222> LOCATION: (1)..(7)
      309 <223> OTHER INFORMATION: Synthetic Peptide
      312 <400> SEQUENCE: 18
W--> 314 Trp Tyr Lys Leu Xaa Xaa Pro
      315 1               5
      317 <210> SEQ ID NO: 19
      318 <211> LENGTH: 12
      319 <212> TYPE: PRT
      320 <213> ORGANISM: Artificial Sequence
      322 <220> FEATURE:
      323 <221> NAME/KEY: misc_feature
      324 <222> LOCATION: (1)..(12)
      325 <223> OTHER INFORMATION: Synthetic Peptide
      328 <400> SEQUENCE: 19
      330 Gly Trp Trp His Ile Pro Ser Pro Val Leu Arg Pro
      331 1               5                   10
      333 <210> SEQ ID NO: 20
      334 <211> LENGTH: 11
      335 <212> TYPE: PRT
      336 <213> ORGANISM: HIV-TAT PROTEIN
      338 <400> SEQUENCE: 20
      340 Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg
      341 1               5                   10
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 04/25/2002
PATENT APPLICATION: US/09/845,612B   TIME: 13:06:00

Input Set : **A:\PTO.DC.txt**
Output Set: **N:\CRF3\04252002\I845612B.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 6
Seq#:17; Xaa Pos. 1,6,7,9,10,11,12
Seq#:18; Xaa Pos. 5,6

Invalid <213> Response:
Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1

```
L:23 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:1
L:42 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:292 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:314 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
```